

DENBIGHSHIRE COUNTY COUNCIL.

ANNUAL REPORT

on the

Health of Denbighshire

for the

YEAR 1947

by

H. ARWEL THOMAS

M.Sc., M.B., Ch.B., D.P.H.,

County Medical Officer.

**16 Grosvenor Road,
Wrexham.
December, 1948.**



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PREFACE.

To the Chairman and Members of the Public Health, Housing and Public Assistance Committee.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report for the year 1947.

It is gratifying to note that the Infant Mortality Rate during the year was the lowest on record, being 43.4 per 1000 births compared with 44.01 in 1946. The rate for England and Wales during 1947 was 41.0.

The number of births during the year was 3340 as compared with 2952 in 1946, the birth rates being 20 per 1000 of the population in 1947 and 17.8 in 1946. There was a decrease in the number of illegitimate births during the year—6.37 per 1000 births against 8.09 in 1946.

The position in regard to Diphtheria Immunisation is satisfactory. To maintain the high percentage of immunised children in the County, every opportunity is taken to impress upon parents the value of immunisation.

I have to thank the Chairman and Members of the Public Health Committee for their continued support and assistance and I also desire to acknowledge the help and advice so readily given me at all times by the Clerk of the County Council.

In conclusion, I wish to express my appreciation of the loyal and conscientious services rendered by my own staff, medical, dental, nursing and clerical.

I have the honour to be,

Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

H. ARWEL THOMAS

County Medical Officer

COUNTY OF DENBIGH. TABLE I. Vital Statistics, 1947.

Districts	Estimated Population	No. of Births.	Birth-rate.	No. of Infant Deaths	Rate of Infant Mortality.	No. of Deaths	Death Rate
Urban.							
Abergele	7215	139	19.2	5	35.9	102	14.1
Colwyn Bay ..	22600	317	14.0	8	25.2	384	16.9
Denbigh	8218	161	19.5	9	55.9	91	11.0
Llangollen ..	2982	45	15.0	3	66.6	53	17.7
Llanrwst	2572	59	22.9	1	16.9	44	17.1
Ruthin	3613	60	16.6	1	16.6	42	11.6
Wrexham	28450	671	23.5	36	53.2	382	13.4
Total Urban	75650	1452	19.2	63	43.3	1098	14.5
Rural.							
Aled	6690	114	17.0	5	43.8	82	12.2
Ceiriog	6928	156	22.5	2	12.8	86	12.4
Hiraethog ...	5191	91	17.5	7	76.9	75	14.4
Ruthin	9991	156	15.6	2	12.8	118	11.8
Wrexham	61980	1371	22.1	66	48.1	768	12.3
Total Rural .	90780	1888	20.7	82	43.4	1129	12.4
Total County	166430	3340	20.0	145	43.4	2227	13.3

STATISTICS.

Live Births :—	Males	Females	Total
Legitimate	1610	1517	3127
Illegitimate	118	95	213
Birth-rate per 1000 of the estimated population		20.0	
Still-births	53	44	97
Rate per 1000 (Live and still- births		28.2	
Deaths	1178	1049	2227
Rate per 1000 of the estimated resident population		13.3	
	Deaths	Rate per 1000 total live and still-births	
Deaths from Puerperal Causes :			
Puerperal and Post. Abort.			
Sepsis	1	0.2	
Other Maternal Causes	4	1.1	
Death rate of infants under one year :			
All infants per 1000 live- births	145	43.4	
Legitimate infants per 1000 legitimate births	135	43.1	
Illegitimate infants per 1000 illegitimate births	10	46.9	

RATES FOR ENGLAND AND WALES.

The Registrar-General furnishes the following rates for England and Wales :—

Birth-rate	20.5
Death-rate	12.0
Infant Mortality	41.0

Births.

3340 births were registered during the year, as compared with 2952 in 1946. This gives a birth-rate of 20.0 per 1000 population as compared with 17.8 in the previous year. The birth-rate for England and Wales was 20.5.

The following table gives the number of birth, deaths and infant deaths for each of the past 10 years:—

Year	Estimated Population	No. of Births	Birth-rate per 1000	No. of Deaths	Death-rate per 1000	No. of deaths under 1 year of age	Infantile death- rate per 1000 births
1938 ...	156840 ...	2325 ...	14.8 ...	2087 ...	13.3 ...	147 ...	63.2
1939 ...	156920 ...	2234 ...	14.2 ...	2189 ...	13.6 ...	128 ...	57.2
1940 ...	167540 ...	2395 ...	14.2 ...	2546 ...	15.1 ...	192 ...	78.7
1941 ...	181510 ...	2617 ...	14.4 ...	2375 ...	13.0 ...	180 ...	68.7
1942 ...	175850 ...	2769 ...	15.6 ...	2015 ...	11.4 ...	154 ...	55.6
1943 ...	169250 ...	2939 ...	17.3 ...	2167 ...	12.8 ...	143 ...	48.6
1944 ...	164630 ...	2890 ...	17.5 ...	2033 ...	12.3 ...	128 ...	44.2
1945 ...	162390 ...	2636 ...	16.2 ...	2168 ...	13.4 ...	160 ...	50.6
1946 ...	165020 ...	2952 ...	17.8 ...	2177 ...	13.1 ...	130 ...	44.0
1947 ...	166430 ...	3340 ...	20.0 ...	2227 ...	13.3 ...	145 ...	43.4

The following Sanitary Districts show a Birth-rate *above* that of the County:—

Wrexham Borough	23.5
Llanrwst	22.9
Ceiriog	22.5
Wrexham Rural	22.1

The following Sanitary Districts show a Birth-rate *below* that of the County:—

Denbigh	19.5
Abergele	19.2
Hiraethog	17.5
Ruthin Borough	16.6
Aled Rural	17.0
Ruthin Rural	15.6
Llangollen Urban	15.0
Colwyn Bay Borough	14.0

Deaths and Death Rates.

There were 2227 deaths registered in the County during the year as compared with 2177 deaths the previous year. This gives a death rate of 13·3 per 1000 population in 1947 as against 13·1 in 1946.

Chief Causes of Death.

The principle causes of death are shown in the following table:—

Cause of Death.	1946.				1947			
	No. of Deaths.		Per cent. of Total Deaths.		No. of Deaths.		Per cent. of Total Deaths.	
Heart Disease	589	...	27.0	...	614	...	27.5	
Cancer	343	...	15.7	...	344	...	15.4	
Intra-cranial vascular lesions	299	..	13.7	...	320	...	14.3	
Pneumonia	82	..	3.7	...	82	...	3.6	
Congenital malformation, birth injuries, infantile diseases, premature births ...	48	...	2.2	...	80	...	3.5	
Tuberculosis (all forms)	79	..	3.6	...	84	...	3.7	
Bronchitis	131	...	6.01	...	120	...	5.3	
Nephritis	68	...	3.1	...	66	...	2.9	
Other circulatory diseases	62	...	2.8	...	90	...	4.0	

The following Sanitary Districts show a Death rate *above* that of the County, viz:—

Llangollen	17.7
Llanrwst	17.1
Colwyn Bay Borough	16.9
Hiraethog	14.4
Abergele	14.1
Wrexham Borough	13.4

The following Sanitary Districts show a Death rate *below* that of the County, viz:—

Ceiriog	12.4
Wrexham Rural	12.3
Aled Rural	12.2
Ruthin Rural	11.8
Ruthin Borough	11.6
Denbigh Borough	11.0

Heart Disease.

Heart Disease continues to be the chief cause of death. There were 614 deaths recorded in 1947, as compared with 589 in 1946. The number represented a percentage of 27·5 of the total deaths from all causes and was equivalent to a death-rate of 3·6 per 1000 of the estimated population.

An examination of the age groups reveals that of the 614 deaths due to heart disease 477 or 77·6 per cent occurred amongst persons 65 years of age and over.

The following table gives the number of deaths from heart disease at various age periods. The figures for 1947 and the previous year are given for comparison with the years 1937 and 1938.

Year	All ages	0—	5—	15—	45—	65 and upwards
1937 ...	575 ...	1 ...	3 ...	32 ...	121 ...	418
1938 ...	486 ...	1 ...	2 ...	23 ...	110 ...	350
1946 ...	589 ...	— ...	— ...	18 ...	94 ...	477
1947 ...	614 ...	— ...	— ...	21 ...	116 ...	426

Cancer.

Deaths from Cancer during 1947 accounted for 344 or 15·4 per cent of the total deaths from all causes. The mortality rate is equivalent to 2·0 per 1000 of the estimated population. During the previous year there were 343 deaths from Cancer, being 15·7 per cent of total deaths.

The following table gives the number of deaths from Cancer, together with death-rates in the Administrative County for the past 10 year. For comparison, the rates for England and Wales are also given.

Year	No. of Deaths	Death-rate per 1000 population	
		County of Denbigh	England and Wales
1938 ...	311	1.9	1.66
1939 ...	295	1.8	1.63
1940 ...	295	1.7	1.72
1941 ...	326	1.7	1.78
1942 ...	281	1.5	1.83
1943 ...	318	1.8	1.90
1944 ...	314	1.8	1.90
1945 ...	345	2.2	
1946 ...	343	2.0	
1947 ...	344	2.0	

It should be borne in mind that the death rates are crude rates and are not corrected or standardised for the age and sex constitution of the population of the County.

The Cancer deaths and death-rates according to Sanitary Districts are given in Table XVI (a) page 34.

Maternal Mortality.

There were 5 maternal deaths during the year, as compared with 8 in the previous year. This gives a Maternal Mortality rate of 1.4 per 1000 (live and still) births.

Each Maternal Death is investigated as a matter of routine. The investigations are carried out by the County Obstetric Officer; Superintendent Heath Visitor; and the Health Visitors. Confidential reports on the circumstances of death are forwarded to the Ministry of Health.

Infant Mortality.

The infant Mortality Rate for 1947 was 43.4 per 1000 live births, as compared with 44.04 in 1946, and is 0.8 per 1000 lower than the record figure attained in 1944. The rate for England and Wales was 41.0.

It will be noted from the following Table II, that the chief causes of infant deaths are "prematurity" and the group "congenital malformation, birth injury."

TABLE II. Causes of Infant Deaths, 1947.

DISEASE.	Districts			
	Urban		Rural	
	Males	Females	Males	Females
Measles	—	—	—	—
Cerebro-Spinal Fever	—	—	—	—
Tuberculosis of the Res. System .	—	—	—	—
Other forms of T.B.	1	—	1	—
Bronchitis	3	—	1	4
Pneumonia	9	5	10	9
Diarrhoea	6	2	1	3
Other digestive diseases	1	1	1	—
Whooping Cough	—	—	—	—
Premature Birth	10	5	9	10
Cong. Mal. Birth. Inj. Inf. Dis. .	7	7	15	12
Other violent causes	3	1	1	2
All other causes	—	1	1	1
Influenza	—	1	—	—
Intra-cranial vascular lesions	—	—	1	—
Totals	40	23	41	41

TABLE III. Maternal Mortality.

	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
County Maternal Mortality Rate	2.07	3.4	4.0	3.5	4.8	3.2	2.3	1.0	2.5	2.6	1.4
Puerperal Sepsis	—	1	3	3	3	4	2	—	1	2	1
Other Puerperal causes	5	7	6	6	10	5	3	3	6	6	4
Total	5	8	9	9	13	9	5	3	7	8	5

INFECTIOUS DISEASES.**Scarlet Fever.**

The notifications numbered 149 during the year, as compared with 157 the previous year. There were 2 deaths in 1946 but none in 1947.

Diphtheria.

The number of notifications of Diphtheria in 1947 was the lowest on record, and there was only one death registered as due to this cause. The notifications numbered 25, as compared with 38 in 1946 and 86 and 1 death in 1945.

Measles (excluding German Measles).

There were 1317 notifications of Measles during 1947 as compared with 659 in 1946 and 2252 in 1945.

Whooping Cough.

The number of cases notified in 1947 was 259 as compared with 256 in the previous year.

There were 2 deaths registered as due to Whooping Cough.

Notifications and Deaths from Diphtheria.

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
Notifications	405	276	407	396	318	174	186	86	38	25
Deaths	29	11	21	13	13	5	5	1	—	1

DIPHTHERIA IMMUNISATION.

Diphtheria immunisation is carried out at the schools and Infant Welfare Clinics in the County, by the Assistant County Medical Officers. Few cases are immunised privately by general practitioners, but it has been found to be very difficult to obtain a return of the number so immunised.

Every opportunity is taken by means of posters, circulars, etc., to impress upon the parents the importance of getting their children immunised. Talks are given at the clinics and schools and the Health Visitors pay special visits to the homes of infants due to be immunised.

The number of children immunised in the County during the year was :—

1—5 years	2029
Between 5—15 years	412
	<hr/>
	2441
	<hr/>
Repeat doses	2064

Since 1937, the number of children immunised in the County is 48,462.

The following table shows the percentages of children immunised in the several Sanitary Authorities in the County :—

Urban Districts.	Children 1—5 years.		Children 5—15 years.
Abergele	89.8%	...	95.8%
Colwyn Bay	97.3%	...	95.0%
Denbigh	94.1%	...	96.6%
Llangollen	91.1%	...	97.8%
Llanrwst	98.0%	...	98.5%
Ruthin	95.7%	...	98.0%
Wrexham	61.2%	...	76.4%
Rural Districts.			
Aled	88.3%	...	89.3%
Ceiriog	89.2%	...	97.9%
Hiraethog	97.9%	...	96.0%
Ruthin	93.4%	...	91.0%
Wrexham	95.9%	...	95.3%

INFECTIOUS DISEASES.

TABLE IV. (a).

The following table furnishes particulars respecting the notifications received during 1947, and for comparative purposes the nine preceding years are shewn:—

Disease	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
Diphtheria	405	276	407	396	318	174	186	86	38	25
Erysipelas	70	347	71	55	67	62	34	42	37	39
Scarlet Fever	295	20	317	246	227	275	294	276	157	149
Enteric Fever (including Typhoid and Paratyphoid)	1	4	16	16	8	7	6	7	3	2
Puerperal Fever .....	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	34	24	12	22	19	15	5	15	8	3
Cerebro-spinal Fever .....	...	11	192	83	32	13	9	9	1	10
Acute Poliomyelitis	1	1	6	...	2	1	7	3	1	25
Ophthalmia Neonatorum	15	11	12	5	2	1	4	3	4	6
Pulmonary Tuberculosis	210	180	218	210	176	209	221	212	214	195
Other Forms of Tuberculosis	84	53	72	64	82	68	59	37	30	41
Pneumonia	160	180	341	278	200	195	149	167	177	197
Encephalitis Lethargica .....	...	1	1	4	3	...	...	...	...	...
Acute Polio-encephalitis	2	...	...	2	1	...	...	...	...	...
Dysentery .....	...	71	119	22	60	36	60	49	46	2
Measles (excl. German Measles) ..	...	...	2373	1390	888	1403	154	2252	659	1317
Malaria .....	...	30	...	...	...	...	...	...	...	...
Whooping Cough .....	...	...	394	746	272	198	429	175	256	259
Chickenpox .....	...	...	...	...	6	...	8	...	...	7
Totals	1277	1209	4551	3539	2363	2657	1625	3333	1631	2277

TABLE IV. (b).

The allocation of the several Infectious Diseases to the Sanitary Districts is shown in the following table:—

District.	Pneumonia.	Scarlet Fever.	Ophthalmia Neonatorum.	Erysipelas.	Cerebro-Spinal Fever.	Diphtheria.	Puerperal Pyrexia.	Measles.	Acute Polio-Myelitis.	Dysentery.	Whooping Cough.	Chicken Pox.	Ent. Fev. (Typh. & Paratyphoid)	Pulmonary Tuberculosis.	Other Forms of Tuberculosis
Abergele	4	5	1	5	1	—	—	83	2	—	47	—	—	22	2
Aled	2	4	—	2	—	—	—	43	2	—	8	—	1	5	2
Ceiriog	2	9	—	—	—	—	—	135	1	—	—	5	—	11	—
Colwyn Bay	20	28	1	6	2	5	1	135	1	—	21	—	1	28	6
Denbigh	5	3	—	—	—	2	—	31	1	—	14	—	—	11	3
Hiraeathog	1	—	—	1	—	—	—	12	1	—	7	—	—	3	1
Llangollen	—	—	—	—	—	—	—	18	—	—	—	—	—	6	—
Llanrwst	1	—	—	—	—	—	—	3	—	—	15	—	—	5	1
Ruthin Borough	3	—	—	1	1	—	—	46	2	—	20	—	—	3	2
Ruthin Rural	—	20	1	1	—	—	—	26	5	—	33	—	—	16	5
Wrexham Borough	72	31	—	5	3	1	2	215	7	2	31	1	—	30	4
Wrexham Rural	87	49	3	18	3	17	—	570	3	—	63	1	—	55	15
Totals	197	149	6	39	10	25	3	1317	25	2	259	7	2	195	41

TABLE V.

The following table gives the number of deaths from infectious diseases notified during the year, also for comparative purposes, the figures for the previous years :—

Diseases.	1942	1943	1944	1945	1946	1947
Typhoid and Paratyphoid	2	—	—	2	—	—
Measles	—	2	2	4	—	—
Scarlet Fever	—	1	—	—	2	—
Whooping Cough	7	1	4	1	5	2
Diphtheria	13	5	5	1	—	1
Encephalitis Lethargica	—	—	—	—	—	—
Cerebro-Spinal Fever	6	1	2	4	5	1
Acute Polio-Encephalitis	1	1	1	—	—	3
Acute Inf. Encephalitis	1	1	1	2	3	4
Tuberculosis, Pulmonary	67	63	73	72	67	69
Tuberculosis, Non-Pulmonary	19	18	13	14	12	15

TUBERCULOSIS.

69 deaths from Pulmonary Tuberculosis occurred during the year as compared with 67 in the previous year. 15 deaths from non-pulmonary causes were registered, compared with 12 in 1946.

Under the Public Health (Tuberculosis) Regulations, 1930 185 primary cases of Pulmonary Tuberculosis were notified and 69 deaths were registered. There were also 6 new cases which came to the knowledge of the Medical Officer of Health otherwise than by formal notification. Of other forms of Tuberculosis 35 cases were notified and 4 deaths registered. 4 Non-Pulmonary Tuberculosis cases came to the knowledge of the Medical Officer of Health otherwise than by formal notification.

It will be noted from Table VI that though there is a steady increase in the number of Pulmonary cases on the County Tuberculosis Register the number of deaths per annum for the last six years has been more or less constant. This is no doubt due to better facilities for diagnosis and the improvement in the examination of Contacts.

The following table shows the number of cases of Tuberculosis on the County Registers and Deaths and the death rates per million of the population in the County and England and Wales since 1936.

TABLE VI. TUBERCULOSIS.
Number of Cases on the County Tuberculosis Register for the years 1936-1947.

Year	No. on Register			Deaths		Death Rate per Million of Population	
	Pulm.	Non- Pulm.	Total	Pulm.	Non- Pulm.	County of Denbigh	Wales and Mon.
1936	1158	499	1657	88	21	693.8	861
1937	1199	531	1730	94	14	688.1	881
1938	1020	470	1490	79	15	599.9	812
1939	986	453	1439	80	14	587.3	759
1940	1089	494	1583	81	24	626.7	796
1941	1109	527	1636	92	20	617.0	794
1942	1189	578	1767	67	19	489.1	750
1943	1344	631	1975	63	18	478.6	751
1944	1478	672	2150	73	13	522.4	715
1945	1593	692	2285	72	14	529.6	718
1946	1568	645	2213	67	12	479.0	683
1947	1616	650	2266	69	15	505.0	693

MASS RADIOGRAPHY.

**Details of Surveys carried out in Denbighshire during the
year ended 31st December, 1947.**

	Male.	Female.	Total.
Total number of persons examined	1074	1055	2129
Number found to be abnormal ...	28	17	45
Number found to be suffering from Pulmonary Tuberculosis ...	1	2	3
Number found to be needing fur- ther observation for Pulmon- ary Tuberculosis	3	3	6
Number found to be suffering from non-tuberculous chest con- ditions	24	12	36

All these persons were examined during a survey of the general population at Wrexham, April 10th to 17th, 1947.

The arrangements for diagnosis and treatment of tuberculosis in the County are carried out by the Welsh National Memorial Association. The County Almoner attends the clinics and reports to the Committee for the After Care of Tuberculosis Patients any patient requiring assistance.

Reports on unsuitable home conditions, overcrowding, etc., are submitted to the various Local Sanitary Authorities.

Children of school age suspected to be suffering from Pulmonary Tuberculosis are referred to the Tuberculosis Officer for examination.

TABLE VII.
Public Health (Tuberculosis) Regulations, 1924.

Active Cases on Registers according to Sanitary Area.

District	No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during the year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Abergele Urban	26	7	13	—	3	2	36	5
Females	37	8	9	2	1	—	45	10
Alled Rural	51	26	2	2	1	1	52	27
Females	55	23	3	—	3	—	55	23
Ceiriog Rural	39	10	7	—	3	—	43	10
Females	25	11	4	—	—	—	29	11
Colwyn Bay	118	45	18	3	40	5	96	43
Females	112	57	10	3	20	7	102	53
Denbigh Borough	21	13	3	1	—	1	24	13
Females	35	6	8	2	1	—	42	8
Hiraethog	20	14	1	1	—	1	21	14
Females	24	11	2	—	2	—	24	11

Public Health (Tuberculosis) Regulations, 1924—(Continued)

District	No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during the year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Llangollen Urban	11	2	3	—	—	—	14	2
<i>Females</i>	11	1	3	—	—	—	11	1
Llanrwst	24	8	3	—	—	—	25	8
<i>Females</i>	11	7	2	1	—	—	13	8
Ruthin Borough	7	2	3	—	—	—	9	2
<i>Females</i>	14	3	—	2	1	—	12	5
Ruthin Rural	28	6	11	2	2	1	34	7
<i>Females</i>	62	19	5	3	7	2	60	20
Wrexham Bor.	171	70	20	3	7	2	184	71
<i>Females</i>	122	46	10	1	2	—	130	47
Wrexham Rural	291	147	28	9	27	11	292	145
<i>Females</i>	253	103	27	6	17	3	263	106
Totals	1568	645	195	41	147	36	1616	650

TABLE VIII.
Public Health (Tuberculosis) Regulations, 1930.

	FORMAL NOTIFICATIONS.													Total Notifica- tions
	Number of Primary Notifications of new cases of Tuberculosis.													
	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	Total		
Age Groups.....	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	Total		
Pulmonary Males.....	...	7	3	6	9	15	18	16	16	7	3	100	104	
Pulmonary Females.....	6	1	7	20	25	9	4	4	2	78	81	
Non-Pulmonary Males.....	...	3	5	2	1	...	1	...	1	1	...	14	16	
Non-Pulmonary Females	3	1	3	...	4	5	1	2	...	...	19	19	

Part II.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above mentioned period, OTHERWISE than by formal notification.

[illegible]

The source or sources from which information as to the above-mentioned cases was obtained are stated below:—

Source of Information.	No. of Cases.	
	Pulmonary	Non-Pulmonary
Death Returns:—		
From Local Registrars	5	4
Transferable deaths from Registrar General .....	...	...
Posthumous Notifications	1	...
"Transfers" from other areas (other than Transferable Deaths) .....	...	...
Other sources, if any (specify) .....	...	...
Total	6	4

ANNUAL REPORT OF THE OBSTETRIC SERVICE.

(Report of Mr. R. Owen Jones, F.R.C.S.)

Clinics.

New ante-natal patients at all clinics (excluding Colwyn Bay and Wrexham) were 1665.

Re-examination	4011
Total	5676

Hospitals.

For five months of the year Ruabon Maternity Hospital and Gladwyn Maternity Home carried on.

93 Admissions and 109 births at Ruabon	
269 Admissions and 244 births at Gladwyn	

On June 9th Trevalyn Manor Maternity Home was opened to patients and from that date to the end of the year there were 536 admissions and 500 births.

A resident Medical Officer (Dr. C. F. Lucas) was appointed at Trevalyn and she assisted, ably, at the East Denbighshire clinics.

The arrangements for admission of some cases from West Denbighshire to Colwyn Bay Maternity Home under Dr. McKendrick remained unchanged. The various voluntary hospitals, Denbigh, Chirk and Llangollen used their accommodation to the limit. Croesnewydd and Ruthin Hospitals carried on as before.

With the take over of hospital accommodation by the Regional Board in the future the question of home or hospital confinements depends, not on doctors or midwives but on the availability of home helps and new houses. It is obvious that it is going to be extremely difficult to secure the services of sufficient home helps. So that more patients have to be admitted to hospital and thus more hospital accommodation has to be made available. Meantime the midwife in each district has fewer cases for home confinement. It is a vicious circle depending on home helps.

Maternal Mortality.

There were 5 deaths, the rate being 1.4 per 1000 births.

MATERNITY AND CHILD WELFARE DENTAL SERVICE.

Report of Mr. J. G. Roberts.

"In presenting my figures for 1947, I would like to call attention to one or two points. Firstly, the number of patients examined and treated, although only slightly higher than last year would, in my opinion, have been higher still but for the very bad weather at the beginning of the year, when a number of clinics had unavoidably to be cancelled. Secondly, the number of extractions done compared with fillings is still far too high and will not be remedied until we have our promised increase in staff. Thirdly, the conditions prevailing in some of our clinics calls for attention and it is hoped that in the ensuing year it will be possible to catch up with general repairs, painting and decorating, and with the installation of the additional equipment required.

Total attendances for treatment 1004

No. of patients treated 312

Extractions:—

No. of patients 255

No. of teeth 2868

Fillings:—

No. of patients 19

No. of teeth 29

Scaling and gum treatment 7

Dentures:—

Upper 115

Lower 71

Repairs 11

REGISTRATION OF NURSING HOMES

(Sections 187 to 194 of the Public Health Act, 1936).

Return of Work of the Council during 1947.

	Number of Homes.	Number of beds provided for: Maternity. Others.	Total.
Homes first registered during the year	2	— 10	10
Homes on the register at the end of the year	15	16 147	163

COUNTY OF DENBIGH.
TABLE IX. Causes of Death, 1947.

Causes.	Abergele.	Aled.	Ceiriog.	Colwyn Bay.	Denbigh.	Hiraethog.	Llangollen.	Llanrwst.	Ruthin Borough.	Ruthin Rural.	Wrexham Boro'	Wrexham Rural.	Totals.
Typhoid and Paratyphoid Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro-Spinal Fever .....	..	..	..	..	..	..	..	..	..	..	..	1	1
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ....	..	..	..	..	..	..	..	..	..	..	..	2	2
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	1	1
Tuberculosis of the Resp. Syst.	3	1	2	12	2	1	2	3	3	6	13	21	69
Other Forms of Tuberculosis	1	1	..	2	..	1	..	..	..	..	1	9	15
Syphilitic Diseases ...	..	..	..	..	1	..	..	1	..	..	..	..	2
Influenza	1	..	..	..	2	2	..	3	..	..	..	2	10
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Ac. polio-myel and polio. enceph. ....	..	..	..	..	..	..	1	..	1	..	..	1	3
Ac. Inf. enceph.	1	..	..	1	..	..	..	..	..	..	..	2	4
Cancer, Malignant Disease	13	12	8	68	13	21	5	7	6	19	62	110	344
Diabetes	1	..	..	4	..	..	1	1	..	..	1	8	16
Intra. cran. vasc. lesions	13	12	12	58	14	9	6	6	9	24	44	113	320
Heart Disease	25	27	34	119	32	13	17	6	12	35	112	182	614
Other Circ. Dis.	4	3	1	31	1	1	1	4	3	3	12	26	90
Bronchitis	4	5	..	16	1	7	5	4	..	2	24	52	110
Pneumonia	6	..	2	6	2	2	2	1	2	2	22	35	82
Other Resp. Dis. ...	3	3	2	6	..	2	2	..	..	3	1	17	39
Ulcer of stomach or duodenum	2	..	..	5	..	..	..	2	..	2	3	10	24
Diarrhoea (under 2 years)	2	..	..	..	1	..	1	..	..	..	4	4	12
Appendicitis .....	..	..	..	1	1	..	..	..	..	1	2	5	10
Other Digve. Dis. ...	2	2	6	6	2	1	1	1	1	..	8	11	41
Nephritis	5	3	1	11	5	4	1	1	3	7	9	16	66
Puer. and post. abort. sepsis	1	..	..	..	..	..	..	..	..	..	..	..	1
Other maternal causes	1	..	..	..	..	..	..	..	..	..	..	3	4
Prem. Birth .....	..	2	..	2	..	4	..	..	..	..	13	13	44
Con. mal. birth inj. infant dis.	1	2	2	4	3	3	1	1	1	1	5	22	46
Suicide .....	..	1	5	1	1	..	..	..	..	1	2	11	22
Road Traffic Ac.	1	..	..	3	1	2	..	..	..	3	1	2	13
Other violent causes .....	..	2	2	5	6	..	1	1	..	1	11	16	45
All other causes	12	6	9	23	3	2	6	2	1	8	32	73	177
All causes	102	82	86	384	91	75	53	44	42	118	382	768	2227

TABLE X.

The percentage of deaths at different age periods are given below :—

Age Period	Percentage of Total Deaths
0— 1	6·5
1— 5	1·2
5—15	0·6
15—45	6·9
45—65	21·6
65 and upwards	62·9

LABORATORY FACILITIES.

The Laboratories undertaking a variety of examinations for the County are :—

The Pathological Laboratory, Emergency Hospital, Wrexham.

Emergency Pathological Laboratory, Conway.

The Pathological Laboratory, Chester Royal Infirmary.

University College of North Wales, Bangor.

Wrexham Joint Fever Hospital.

Welsh National Memorial Association.

Food and Drugs Act.

Analyses are also undertaken by Mr. F. A. Lowe, County Analyst, Chester.

AMBULANCE SERVICES.

The following are reports received from the various ambulances rendering services in the County:—

Wrexham Division.

Number of cases carried	4266
Number of road accidents	80
Total number of cases	4446
Total mileage	30193
Number of cases where first aid was rendered	322
Attendances at public functions	592
Total hours of duty given voluntarily by members	22013

Colwyn Bay.

Accidents	72 (3 fatal)
Admission to Hospital	192
Admission to nursing Homes	91
Transport, house to house	99
Transport, out of district	127
Total mileage	23033
Ambulance case hours	1174½
Personnel case hours	4698
Total cases	581

Denbigh.

Total miles travelled	2796
Accidents	18
Maternity cases	8
Mental cases	5
Sick	100

Oswestry.

During 1947, the Oswestry and District Ambulance conveyed 12 cases from Denbighshire, with a total mileage of 439 miles.

The Ambulance was again fortunate in being served by the nurses and orderlies of the Oswestry St. John's Ambulance Brigade, and the drivers were utilised from the staff of the Orthopaedic Hospital, where the ambulance was garaged. A full 24 hours service was maintained throughout the year.

Rhos.

Total miles travelled	10577
Hours of service	1073
Number of cases	847

TABLE XI. Hospital Accommodation.

Name of Hospital	BEDS			Child	Others	Total	Additional Beds
	Males	Females					
VOLUNTARY							
Wrexham War Memorial Hospital...	63	48		20	39	170	E.M.S. Beds, 50.
Colwyn Bay & West Denbighshire Hospital	26	25		9	...	60	
Denbighshire Infirmary, Denbigh ...	18	27		3	...	48	
Chirk and District Cottage Hospital	12	6		2	12	32	
Llangollen Cottage Hospital ...	2	8		...	...	10	
	121	114		34	51	320	
COUNTY COUNCIL							
Wrexham Emergency ...	166	123		6	...	295	
Croesnewydd, Wrexham ...	54	95		54	25	228	
Ruthin ...	16	16		4	5	41	
	236	234		64	30	564	
FEVER HOSPITALS							
Wrexham Joint Fever Hospital ...	39	40		14	90	104	
Bronynant Isolation Hospital, Colwyn Bay						31	
St. Asaph Joint Isolation Hospital ...						87	
Croesnydd Hospital, Conway ...	25	25		...	...	50	
Small-pox Hospital (Rhydtalog) ...						12	
Abergele Sanatorium ...	52	...		189	10	251	
						535	
COUNTY MATERNITY HOSPITAL							
Ruabon Maternity Hospital (closed 4/6/47)	...	12		...	...	12	
Gladwyn Maternity Home (closed 17/6/47)	...	25		...	...	25	
Trevalyn Maternity Hospital (opened 1/6/47) ...	...	40		...	...	40	
Colwyn Bay Borough Maternity Home ...	...	10		...	...	10	
	...	87		...	...	87	

TABLE XII.
Summary of Work of Health Visitors.

District		No. of visits to children under 1 year	No. of visits to children 1-5 years	Expectant Mothers	
				First Visits	Total Visits
Rhos and Penrycae ...	... ..	1125	1145	29	56
Rhostyllen, Ruabon, Marchwiel, Isycoed and Abenbury ...	... ..	995	1316	54	59
Coedpoeth, Southsea, New Broughton	.. ..	1158	1162	54	54
Brymbo, Broughton, Summerhill	... ..	990	896	114	128
Llay, Gresford, Rhosrobin	... ..	1297	724	75	90
Llangollen and Cefn	... ..	807	1019	4	5
Abergele and part of Aled	... ..	841	635	24	36
Denbigh and part of Aled	... ..	473	317	—	3
Llanrwst Area	... ..	1144	1748	26	59
Llansilin, Chirk and Glynceiriog	... ..	723	1220	—	—
Ruthin Borough, Ruthin Rural and Cerrig	... ..	1290	3311	80	165
		10843	13493	460	655

TABLE XIII.

THE ROBERT JONES AND AGNES HUNT ORTHOPÆDIC HOSPITAL.
RETURN showing the number of DENBIGHSHIRE patients treated at Orthopaedic Clinics during the year 1947, and the number of attendances made by such patients.

	On books 1/1/47.	Admitted during 1947.	Total treated.	Discharged in 1947.	On Books 31/12/47.		Attend- ances.
					Active Treatment.	Appliance Supervision.	
MATERNITY AND CHILD WELFARE (0-5 years)	324	176	500	217	283	—	1117
SCHOOL MED. SERVICE (5-16 years)	857	282	1139	607	532	—	1782
VOL. ORTHO. ASSOCIATION (16+ years)	584	340	924	402	424	98	2001
TOTALS	1765	798	2563	1226	1239	98	4900
					1337		

During the year 32 children attained the age of 5 years, and 18 the age of 16 years. These have been included in both age groups, in which they were treated, and the total treated is, therefore, 2513.

In addition, the Surgeons examined 119 patients for whom no treatment was advised. This brings the total attendances to 5019.

IN-PATIENT TREATMENT.

No. of patients in hospital 31/12/46	7
No. of patients admitted during 1947	65
No. of patients discharged during 1947	56
No. of patients in hospital on 31/12/47	16

TABLE XIV.

MENTAL DEFICENCY ACTS.

Number of defectives ascertained to be
"subject to be dealt with":—

	Males.	Females.	Total.
Under "Order":—			
(a) (1) In Institutions (excl. cases on Licence):—			
Under 16 years of age	6	5	11
Aged 16 years and over	27	73	100
(2) On Licence from Institutions:—			
Under 16 years of age	—	1	1
Aged 16 years and over	2	14	16
(b) (1) Under Guardianship (excl. cases on Licence):—			
Under 16 years of age	2	—	2
Aged 16 years and over	6	8	14
(2) On Licence from Guardianship:			
Under 16 years of age	—	—	—
Aged 16 years and over	—	—	—
In places of safety:—			
Under 16 years of age	—	—	—
Aged 16 years and over	—	—	—
No. of persons certified during 1947:—			
Under 16 years of age	4	1	5
Over 16 years of age	1	4	5
For Institutions	3	4	7
For Guardianship	2	1	3
Re-certifications for Institutions	—	—	—

SUPPLY OF MIDWIVES.

	Domiciliary Midwives	In Institutions	Total
Employed by Local Supervising Authority	5	20	25
Employed by Voluntary Associations:—			
(1) Under arrangement made with Local Supervising Authority	50	—	50
(2) Other (Voluntary Hospitals)	—	12	12
In Private Practice	16	—	16
	71	32	103
	—	—	—

MIDWIFERY SERVICE.

Particulars of Cases Attended by Domiciliary Midwives.

	By salaried Midwives and District Midwives.	By Independent Midwives.
No. of times Medical Aid sent:—		
(a) during pregnancy	33	3
(b) during labour	171	8
(c) during puerperium	29	—
(d) for infants	32	—
No. of still-births notified	13	3
No. of forceps deliveries	67	12
No. of deaths of infants, 1 month	12	4
No. of maternal deaths	1	—
No. of maternity cases	146	17

CHILD LIFE PROTECTION.

No. of persons who were receiving children for reward during the year	7
No. of children at the end of the year	7
No. of children who died during the year	—

HOME HELPS.

No. of Home Helps engaged during the year	3
No. of cases attended	20

AFTER-CARE OF TUBERCULOSIS PATIENTS.

No. of cases receiving assistance under the County After Care Scheme	61
Total amount of grants in 1946	£1076 17 8

MIDWIVES ACT, 1918—SECT. 14.

No. of patients for whom medical aid was sum- moned by a certified midwife	377
Total amount of medical claims	£468 15 5

SUPPLY OF MILK.

The total quantity of milk supplied at cost price during the year to expectant and nursing mothers and young children (otherwise than under the National Milk Scheme) was 28,959 packets (dried milk).

OPHTHALMIA NEONATORUM.

8 cases of Ophthalmia Neonatorum were notified during the year with the following results:—

Vision unimpaired	8
Patients removed from County	—
Patient died	—

TABLE XV.
Maternity and Child Welfare.

The following table furnishes information for 1947 with regard to the Maternity and Child Welfare Centres established in the County:—

Address	Whether Sessions are held weekly or fortnightly	Day and Time of Meeting	Average attendance per session (Children).	Number of Children who attended for the first time.	Present arrange- ments for Medi- cal Super- vision
Rossett, Men's Institute	Fortnightly	Monday a.m.	22	75	Assistant Med. Officer
Southsea, Church Institute	"	Monday a.m.	51	140	"
Coedpoeth, Penygelli Schools	"	Monday p.m.	49	170	"
Llay, Presbyterian Chapel	"	Monday p.m.	62	97	"
Cefn, County Clinic	Weekly	Monday p.m.	45	225	"
Glan C'way, Church Institute	Fortnightly	Monday p.m.	29	33	"
Brymbo, Council School	"	Tuesday a.m.	20	63	"
Broughton, Congregational Chapel ..	"	Tuesday p.m.	45	112	"
Ruthin, Baptist Chapel	"	Tuesday p.m.	65	165	"
Glynceiriog, Ceiriog Institute	"	Tuesday p.m.	16	26	"
Rhosrobin, County Clinic	"	Tuesday p.m.	51	95	"
Rhos, Plas-yn-Rhos	Weekly	Wednesday a.m.	70	363	"
Llanrwst, Watling Street	Fortnightly	Wednesday p.m.	36	89	"
Llangollen, Welfare House	"	Wednesday p.m.	30	101	"
Denbigh, County Clinic	"	Wednesday p.m.	70	172	"
Rhostyllen, Council School	"	Wednesday a.m.	30	76	"
C'druidion, Presbyterian Chapel	"	Wednesday a.m.	9	45	"
Abergele, Church House	"	Thursday p.m.	49	109	"
Chirk, Drill Hall	"	Thursday p.m.	30	76	"

ANNUAL REPORT OF THE WORK OF THE NORTH WALES SOCIETY FOR THE BLIND IN THE COUNTY OF DENBIGH FOR THE YEAR ENDED 31st MARCH, 1948.

The Society employs three full-time and two part-time Certificated Home Teachers in the County, and at March 31st, 1948 they were responsible to the Society for the care and welfare of 432 Registered Blind Persons. The duties of the Home Teachers include regular and systematic visits, additional visits in the urgent and special cases, those in need of hospital treatment, etc., applications for domiciliary assistance and grants in kind such as clothing, boots, visits to Ophthalmic Surgeons and the provision of spectacles, wireless repairs, seed potatoes for enthusiastic gardeners and allotment holders. The Home Teachers also include where necessary the teaching of Braille and Moon and Pastime occupations.

The Society's Necessitous Grants Committee dealt with 138 applications, submitted by the Home Teachers on behalf of the Blind, all the applications were sanctioned, the total cost amounting to £160 which was paid out of the Society's General Charity Fund. In addition to this sum, the cost of providing White Sticks, Library Books, Equipment and Materials for Home Teachers was also borne by the Society. The cost of postage on Library Books both to and from the Blind Person is borne by the Society.

The Social Centre at Wrexham continues to give good service weekly to the Blind persons in that area. Social Teas, Games, Lectures, etc., are provided free, the whole cost of running this centre is borne by the Society. Another Social Centre has been opened at Colwyn Bay, this is also proving a boon to the blind. Both centres are supervised by a voluntary committee of Ladies and Gentlemen, the Home Teachers concerned render every possible assistance which ensures the success of these two centres. Motor Tours for the Blind are also organised in Wrexham and District, also for the residents at the Llys Onnen Home for the Blind of Abergele and Colwyn Bay.

The Llys Onnen Home continues to function very satisfactorily, the accommodation is fully booked for 8 months of the year. The largest number of holiday residents are from Denbighshire. The Llys Onnen Sub-Committee meets monthly at the Home, and owing to the interest taken by this Committee

the blind are assured of a warm welcome and their needs are immediately dealt with.

Electric and Battery Wireless Sets are issued free through the generosity of the British "Wireless for the Blind" Fund. The cost of repairs and replacements such as Batteries and Accumulators is borne by the Society.

A Christmas Gift of 10/- was presented to each Blind Person in the County, this gift is made possible from the collection made at the various schools of three North Wales Counties. All expenses—printing envelopes and list of previous subscriptions and postages are borne by the Society. In addition the Local Authority allowed a Christmas Gift to each blind person in receipt of domiciliary assistance.

At March 31st, 1948, 262 Blind Persons and 7 Transfer cases were in receipt of the Unemployable Blind Grant, the increase in number being due to the fact that the County Council agreed to raise the minimum income of a blind person. The cost to the Council for the twelve months and subject to Audit, being £10,514 8s. 6d. Postages and Poundage £166 9s. 9d. The Grants are sent out regularly every fortnight from the Society's Headquarters at Bangor. During the year, 8,954 Postal Orders and 1,494 cheques were dispatched. Householders in receipt of domiciliary assistance also received a Winter coal allowance of 3/6d. per week for a period of 26 weeks. In addition, a sum of £189 1s.0d. was expended on Sick Grants.

The Agreement made between the Society, the National Institute for the Blind and the National Library for the Blind continues to work amicably and to the benefit of the Society.

The Crosville Motor Services Limited issue Bus Vouchers to a large number of Blind Persons in the County. The cost of the vouchers is 2/6d. each and is a boon to the Blind.

There are 4 Permanent Residents from the County at Llys Onnen.

In Denbighshire there are 13 Home Workers, one in Workshop and a number of Pastime Workers.

MEDICAL AND DENTAL TREATMENT

(Necessitous Cases).

Total number referred to Medical Practitioners and accepted on their panel	136
Number of Blind Persons supplied with Dentures free of cost	4

REPORT OF COUNTY ALMONER FOR 1947.

The year 1947 saw a change in the Almoner's Department as Miss Fox Taylor, who had been with the County since 1944 left and Miss Williamson was appointed her successor.

The work for the T.B. and V. D. patients has continued along very much the same lines. For the T. B. patients, explanation and help has been given in their applications to benefit under the Government Scheme of treatment allowances, and those in receipt of allowances have been visited regularly in their own homes. Those who are not entitled to the Government grant have been in suitable cases referred to the County After-Care Committee for Tuberculosis patients for grants in kind. Patients have also been helped with clothing, bedding and invalid furniture and those that are badly housed have been referred to the appropriate housing committees to be rehoused whenever possible. Those who were considered fit for work have been helped in co-operation with the rehabilitation Officers of the Ministry of Labour, to obtain suitable employment. Unfortunately this has proved difficult in this County as there is little light work and only one small sheltered factory for all types of disabled persons.

The Almoner has also attended the Female V.D. Clinic at the Wrexham War Memorial Hospital. Defaulters from treatment at the clinic have been followed-up by letters and home visits. Also persons referred as contacts under "33B" have been visited and attendance urged at the clinic, only one of these has failed to attend, although difficulty has been experienced in seeing they make regular attendances.

TABLE XVI. (a). Cancer.

The following table gives the deaths and death rates from all causes of Cancer according to Sanitary Districts:—

Districts.	Deaths.			Rate per 1000 Population.
	Males.	Females.	Total.	
Urban Districts.				
Abergele	6	7	13	1.8
Colwyn Bay	36	32	68	3.0
Denbigh	7	6	13	1.5
Llangollen	1	4	5	1.6
Llanrwst	3	4	7	2.7
Ruthin	2	4	6	1.6
Wrexham	36	26	62	2.1
Rural Districts.				
Aled	6	6	12	1.7
Ceiriog	3	5	8	1.1
Hiraethog	11	10	21	4.0
Ruthin	9	10	19	1.9
Wrexham	62	48	110	1.7
	182	162	344	2.0

TABLE XVI. (b). Cancer—Age and Sex Distribution.

Age Group.	Urban.			Rural.			Grand Total.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
Under 1 year	—	—	—	—	—	—	—	—	—
1-5 years	—	—	—	—	—	—	—	—	—
5-15 years	1	—	1	—	—	—	1	—	1
15-45 years	3	7	10	5	6	11	8	13	21
45-65 years	33	25	58	34	24	58	67	49	116
65 years and upwards	54	51	105	52	49	101	106	100	206
	91	83	174	91	79	170	182	162	344

CHRISTIE HOSPITAL AND HOLT RADIUM INSTITUTE, MANCHESTER.

In-patients	43
Out-patients	103

LIVERPOOL RADIUM INSTITUTE.

During the year, 82 cases of Cancer were registered from Denbighshire. Of these, 43 were males and 39 were females. The age incident of these cases was as follows:—

10—19 years	1
20—29 „	—
30—39 „	1
40—49 „	12
50—59 „	26
60—69 „	20
70—79 „	16
80—89 „	6

Classified according to anatomical site, the distribution of disease was as follows:—

Skin	16
Lip	4
Mouth and Tongue and fauces	8
Larynx and Pharynx	3
Breast	15
Uterus	3
Lung	6
Oesophagus	3
Stomach	4
Bowel	5
Kidney, Bladder and Prostate	8
Reticulosis	2
Miscellaneous	5

In 34 of the above cases, the disease was in an early, radically treatable stage. In the remaining 48, the disease was in an advanced stage. Of these 82 cases, 15 were treated by Surgery, 44 were treated by Radiotherapy, 9 were treated by a combination of Surgery and Radiotherapy, 14 did not receive active treatment on account of the poor general condition of the patient or the advanced stage of the disease.

WREXHAM AND EAST DENBIGHSHIRE WAR MEMORIAL HOSPITAL.

**Cases referred through the Radium Clinic under the Services
provided by the Holt Radium Institute, Manchester.**

Table I.

	1945	1946	1947
No. of new patients referred :			
Treated	33	36	37
Not treated	26	33	27
Examination only, under anaesthetic ...	2	1	1
	—	—	—
Totals	61	70	65
No. of Follow-up examinations	630	706	651
	—	—	—
Totals	691	776	716
	—	—	—

N.B.—The Visiting Radiotherapist attends at the Wrexham E.M.S. Hospital on the same day as at the Wrexham War Memorial Hospital. 38 new cases were seen there and these cases are not included in the tables referring to the Wrexham War Memorial Hospital.

Table II.

No. of patients referred in previous years and re-treated in 1947	17
--	----

Table III.

Analysis of 1947 not treated cases.

Too advanced	5
Unsuitable	11
Referred for treatment elsewhere ...	4
Referred for Surgery	1
Follow-up only	4
Not treated as at 31/12/47, but treated in 1948	2
	—
	27
	—

Table IV.

No. of patients treated as Out-patients at Radium Institute	15
No. of patients treated as In-patients in Christie Hospital	12
No. of patients treated as In-patients in Baguley Radium Annexe	7
No. of patients treated as In-patients in Baguley Radium Annexe and also In-patients at Christie Hospital	1
No. of patients treated as In-patients in Baguley Radium Annexe and Out-patients at Radium Institute	1
No. of patients treated as Out-patients at Institute and In-patients in Christie	1
No. of patients treated as Out-patients at Wrexham	1
	<hr/>
	38
	<hr/>

WREXHAM EMERGENCY HOSPITAL.

Total number of patients treated :—

Croesnewydd	13
E.M.S. Hospital	38

DENBIGH INFIRMARY.

Total number of cases treated	11
-------------------------------------	----

**COLWYN BAY AND WEST DENBIGHSHIRE
INFIRMARY.**

Total number of patients treated 27

CHESTER ROYAL INFIRMARY.

Total number of cases treated 15

**CAERNARVONSHIRE AND ANGLESEY INFIRMARY,
BANGOR.**

	C. & A. Infirm.	Llandudno & Distr. Hospital	County Hospital
Carc. of Breast	2	4	—
Carc. of Cervix	1	—	—
Carc. of Vulva	1	—	—
Carc. of Corpus Uteri	—	1	—
Carc. of Vagina	—	—	1
Carc. of Ovary	—	1	—
Malignant Ovarian Cyst	1	—	—
Carc. of Stomach	—	2	—
Carc. of Colon	—	6	—
Carc. of Rectum	—	2	—
Carc. of Gall Bladder	—	1	—
Carc. of Lung	—	1	—
Rodent Ulcer	1	2	—
Epith. of Hand	2	—	—
Epith. of Ear	1	—	—
	—	—	—
	9	20	1
	—	—	—

TABLE XVII. Venereal Diseases.

The following statistics taken from the returns supplied by the Treatment Centres show the work undertaken during the year ended December 31st, 1948.

Clinic	Persons attending for the first time at Out-patient Clinic suffering from								Total attend-ances at Out-patient Clinics		No. of In-Patient days		No. of Persons treated with Salvarsan Substitutes	
	Syphilis		Soft Chancres		Gonorrhoea		Non-Venereal Conditions		M.	F.	M.	F.	M.	F.
	M.	F.	M.	F.	M.	F.	M.	F.						
Wrexham	29	19	—	—	80	12	27	42	1952	1245	178	284	112	78
Chester	12	2	—	—	4	3	5	1	218	73	3	—	10	2
Bangor	6	—	3	—	2	—	6	6	149	97	11	—	—	—
	47	21	3	—	86	15	38	49	2319	1415	192	284	122	80

COUNTY OF DENBIGH.

FOOD AND DRUGS ACT, 1938.

Annual Report for the Year ended 31st December, 1947.

To the Chairman, and Members
of the Public Health Committee,

Ladies and Gentlemen,

I beg to report that during the year ended the 31st December, 1947, 424 samples of food and drugs were submitted to the Public Analyst for analysis under the above Act, the particulars being as follows:—

Article.	No. taken.	Formal.	Informal.	Result of Analysis:	
				Genuine.	Not genuine or sub- standard.
Milk Retail	288	288	—	217	71
On delivery	9	9	—	3	6
Appeal to cow	15	15	—	12	3
Butter	17	—	17	17	—
Cheese	2	—	2	2	—
Sweet Spirit of Nitre	1	—	1	1	—
Potted Fish Paste	3	—	3	3	—
Potted Meat Paste	1	—	1	1	—
Mustard	1	—	1	1	—
Condensed Milk	3	—	3	3	—
Cake Flour	2	—	2	2	—
Baking Powder	2	—	2	2	—
Whiskey	3	—	3	3	—
Rum	4	1	3	3	1

Article.	No. taken.	Formal.	Informal.	Result of Analysis:	
				Genuine.	Not genuine or sub- standard.
Jam	13	—	13	13	—
Sausages	16	—	16	14	2
Beer	2	—	2	2	—
Vinegar	3	—	3	3	—
Pepper	2	1	1	—	2
Dried Milk	2	—	2	2	—
Lard	2	—	2	1	1
Salad Cream	1	—	1	1	—
Custard Powder	2	—	2	2	—
Coffee	1	—	1	1	—
Jelly Crystals	1	—	1	1	—
Self Raising Flour	2	—	2	1	1
Saccharin Tablets	2	—	2	2	—
Honey	1	—	1	1	—
Beef Suet	1	—	1	—	1
Bread	1	—	1	1	—
Tea	2	1	1	2	—
Tincture of Iodine	1	—	1	1	—
Tinned Fish	2	—	2	2	—
Ginger Cordial	1	—	1	1	—
British Ruby Wine	1	1	—	1	—
Gin	1	—	1	1	—
Ice Cream	9	—	9	9	—
Table Jelly	1	—	1	1	—
Cooking Fat	2	—	2	2	—
British Sherry	1	—	1	1	—
Totals	424	316	108	336	88

The average percentage of fat, and of solids-not-fat contained in the milk sampled during the year were:—

	Fat	Solids-not-fat
Eastern Division	3.48%	8.61%
Western Division	3.70%	8.61%
Whole County	3.58%	8.63%
The Legal presumptive standard is	3.00%	8.50%

As will be observed from the above table, 71 retail, and 6 “on delivery” samples of milk were certified by the Public Analyst as being “not genuine” by reason of their failure to attain the standard of fat, or of solids-not-fat prescribed by the Sale of Milk Regulations. The major portion of those comprised samples involving deficiencies too minute to justify any further action, and in six instances “on delivery” or “appeal-to-cow” samples eliminated the originals. In several cases cautions were administered, or advice tendered. Five samples of milk were the subject of prosecutions, and the three remaining samples are at the moment under consideration with a view to prosecution.

In addition to the above mentioned samples of milk submitted to the Public Analyst, 71 informal samples of milk were tested at the Wrexham and Colwyn Bay Offices on behalf of farmers and dairymen, and for preliminary information.

The Milk supplied to the Children’s Homes, Public Assistance Institutions, Schools and certain Hospitals in the County was also periodically examined.

An informal, and also a formal sample of Pepper obtained from the same Vendor proved to be pepper substitute which had been sold in error. The responsible parties were cautioned.

An informal sample of Self Raising Flour was deficient in Carbon Dioxide. This deficiency was most probably due to prolonged, or damp storage, and the Vendor has been cautioned.

An informal sample of Rum was found to contain 8 per cent of excess water, but a subsequent formal sample from the same source proved to be genuine.

An informal sample of Beef Suet was 1 per cent deficient in fat.

An informal sample of lard proved to be "Cooking Fat" and the person responsible was cautioned.

Two informal samples of Sausages were found to contain a small amount of permissible preservative, but the prescribed notice to this effect was not visibly exhibited on the premises at the time of sale. In one instance however, it was subsequently ascertained that such a notice was usually displayed, but that it had temporarily been obscured by other matters. Both parties were cautioned as first offenders in this respect.

All other samples were certified by the Public Analyst as being genuine, and free from all prohibited preservatives and colouring matter.

Following are particulars of prosecutions instituted under the act, and completed during the year :—

Article.	Nature of Offence.	Result.	Fine.	General Costs.	Advocate's Fee.	Total.
Milk	Added water	Convicted	£ s. d. 10 0 0	£ s. d. 4 9 1	£ s. d. 5 5 0	£ s. d. 19 14 1
Milk	Added water	Convicted	20 0 0	4 3 6	5 5 0	29 8 6
Milk	Deficiency in Fat	Convicted	—	4 0	2 2 0	2 6 0
Milk	Deficiency in Fat	Convicted	5 0 0	2 2 0	3 3 0	10 5 0
Milk	Added water	Convicted	10 0 0	6 17 4	3 3 0	20 0 4
Totals ...			£45 0 0	£17 15 11	£18 18 0	£81 13 11

I again have the pleasure in recording my indebtedness to the Clerk of the Council for his learned advice and advocacy, services always generously placed at my disposal throughout the year.

I have the honour to be,

Your obedient servant,

D. WYNNE GRIFFITH.

Chief Inspector.

16 Woodland Road East,
Colwyn Bay,
31st December, 1947.





